

IN THE SPECIFICATION:

Please replace the paragraph on page 9, lines 23-25, with the following amended paragraph:

Fig. 71 is a flow chart for explaining a procedure in which the P service server assigns the external code of a P-code to ~~enter~~ another site;

Please replace the paragraph on page 17, lines 8-18, with the following amended paragraph:

An information provider server 300 (to be referred to as an IP server hereinafter) is, e.g., a general Internet provider. In response to an information request from the P service server 200, the IP server 300 transmits information (contents) corresponding to the P-code attached to the information request to the P service server 200. Additionally, as will be described later, the P service server 200 sets a plurality of usable P-codes in the IP server 300, and the IP server 300 can uniquely ~~issues~~ issue a P-code in correspondence with information provided from a user terminal within the range of the usable P-codes.

Please replace the paragraph on page 21, lines 10-14, with the following amended paragraph:

A disk unit 108 reads/writes data from/in a medium such as a floppy disk or MO disk. A settlement unit 110 performs settlement for the above-described various services. As a settlement method, various methods including settlement using cash or a credit card are available.

Please replace the paragraph on page 23, lines 2-9, with the following amended paragraph:

An infrared communication section 405 outputs a P-code stored in the internal memory by infrared rays. The infrared rays output from the infrared communication section 405 are received by the infrared communication section 105 of the P service terminal 100 and recognized as a P-code. The portable terminal 400 also has a communication connector on its ~~button~~ bottom surface so as to exchange telephone number information between the terminal and a personal computer.

Please replace the paragraph on page 23, line 24, to page 24, line 13, with the following amended paragraph:

A control section 420 realizes control of the constructions described with reference to Fig. 4 or various control operations in the portable terminal 400 in accordance with control programs stored in a memory 422. Of the programs stored in the memory 422, portable terminal control 422a is a program unit for realizing a function as a normal portable telephone. P-code extraction processing 422b is a program unit for processing the process of extracting a P-code from received mail and storing the P-code in a P-code storage area 422c. As described above, to extract a P-code, data in a manually selected block is extracted as a P-code, or a P-code is automatically identified and extracted from mail data. P-code transmission processing 422d is a program unit for transmitting a P-code stored in the P-code storage area 422c to the P service terminal through the infrared communication section 405 or communication connector 424.

Please replace the paragraph on page 26, lines 2-26, with the following amended paragraph:

Fig. 7 is a view showing a data structure example of the IP information registration table. An IP information registration table 220 is generated and recorded when IP information is registered. In the IP information registration table 220, an identification section, basic properties, and entity information are registered in correspondence with an assigned P-code. The identification section stores information representing the structure of the P-code (whether a subcode is present, and when the P-code is linked to another P-code, information representing the linked P-code). For a P-code having subcodes, a plurality of types of P-codes with subcodes can be registered for the P-code. As shown in Fig. 11, each subcode table has the same identification section, basic properties, and entity information as those of the IP information registration table. Subcode tables are prepared in units of P-codes having subcodes, i.e., in number numbers corresponding to the number of P-codes having subcodes, and stored. The basic properties store information representing the owner of the IP information and article insertion condition. The basic properties include a “keyword list” and “keyword weight list” which are used by the advertisement search processing 203d (details will be described later). The entity information specifies the entity data of the IP information and includes the path and file name of an entity file.

Please replace the paragraph on page 28, lines 10-26, with the following amended paragraph:

Fig. 9 is a view showing a data structure example of a user information table. The user information table is generated and recorded when the user registers himself/herself as a member of the P service system and includes a user profile, personal information, mail service information, distribution service information, and personal information service information. In the user ~~profile~~; profile is information representing the address and objects of interest of the user. The “personal information table” in the user profile stores pointers to the personal information table in which the personal secret matters including the address, name, telephone number, and credit card number of the user are registered, as shown in Fig. 13. In the mail service information, distribution service information, and personal information service information, information necessary for the mail print service, distribution service, and personal information service are registered, respectively.

Please replace the paragraph on page 30, lines 13-18, with the following amended paragraph:

Fig. 14 is a view showing a data structure example of an owner information table. This table ~~[[is]]~~ linked to the IP information registration table shown in Fig. 7 is the “owner ID” in the advertisement information table shown in Fig. 8. As shown in Fig. 14, information associated with the owner (information provider or advertiser) is registered.

Please replace the paragraph on page 31, lines 10-18, with the following amended paragraph:

The IP server 300 acquires an available P-code value from the P service server 200 and issues a P-code when IP information is registered from the user terminal. At this time, the entity of IP information and the IP information registration table are held by the data storage section 306. When an information request from the P service server 200 is received, the entity (contents) of the IP information is extracted in accordance with the designated P-code and ~~transmits it~~ is transmitted to the P service server 200.

Please replace the paragraph on page 34, lines 3-11, with the following amended paragraph:

The attached section indicates the identification number of a subcategory of the contents identified by the above classification section + number section. For an information P-code, for example, "[[]]professional baseball game result" has categories "result of today", "result of yesterday[[]]", "result of day before yesterday",..., and "tip on horse racing" has categories "site" and "race". For a personal P-code, the attached section is used for a mail box number or personal-information number.

Please replace the paragraph on page 34, line 12, to page 35, line 3, with the following amended paragraph:

Especially, in this embodiment, a plurality of types of "attached sections" can be connected to one number section as suffixes. When grouping is designated for

P-codes, the P-code can be linked to other IP information in units of suffixes. When the code of the number section is input as a P-code, information having the maximum surfix value is selected and presented as IP information. This can cope with information such as “results of professional baseball games of yesterday”, which requires frequent update and addition of ~~information~~ information. Assume that a new result of professional baseball game is generated. Next day, the game result of yesterday is grouped in correspondence with a P-code with an incremented surfix, thereby linking the P-code with the incremented surfix to the IP information of the game result. Hence, when a P-code number is designated to obtain the “result of professional baseball game of yesterday”, information having the maximum surfix attached to the P-code number is extracted and presented to the user.

Please replace the paragraph on page 42, lines 20-25, with the following amended paragraph:

When the “personal information” button 1050 is clicked in the dialog box shown in Fig. 22, a dialog box shown in Fig. 28 is displayed. The user can ~~arbitrary~~ arbitrarily input general personal information. The information input herein is mainly used for advertisement information search processing (to be described later in detail).

Please replace the paragraph on page 43, line 22, to page 44, line 9, with the following amended paragraph:

When the “printing paper” button 1080 is clicked in the dialog box

shown in Fig. 22, a dialog box shown in Fig. 31 is displayed. In receiving a print output from the P service terminal 100, the user can designate the output format. For example, when the “visibility priority” button in the dialog box shown in Fig. 31 is checked, priority is given to the layout of the print, and information obtained by the P service system is printed in a layout easy to see. When the “page count priority” check button is checked, priority is given to saving of page count, so the print cost is expected to be saved. When the “details” button is clicked, desired conditions can be selected and designated from a plurality of layout patterns, the amount of advertisement information, and font sizes, which are registered on the P service system.

Please replace the paragraph on page 50, lines 2-8, with the following amended paragraph:

In step S1014, a dialog box shown in Fig. 40 is displayed to designate IP information to be registered. The information provider inputs the file name of the entity ~~contents~~) (contents) of IP information stored in the information provider terminal. In this case, a plurality of file names can be designated. The IP information to be registered may be either character information or an image.

Please replace the paragraph on page 54, lines 19-24, with the following amended paragraph:

When a new group is selected, and the “OK” button is clicked, a dialog box shown in Fig. 52B is displayed. The title, contents, and update schedule of the group

are input. The input data are finally stored in the Frame ~~information~~ Information storage area of the IP information registration table (Fig. 7).

Please replace the paragraph on page 65, lines 11-25, with the following amended paragraph:

In step S3021, when a P-code request is received from the IP server, the site scale is determined in step S3022 (the site scale is determined in accordance with a scale request from the IP server). When the site scale is determined, four bits from the 17th bit to the 20th bit in Fig. 18 are determined (since the code is to be assigned to an external server, the 17th bit (server identification bit) is “0”). In step S3023, the code value of the external code section determined in accordance with the site scale determined in step S3022 is determined. For example, when the site scale is medium, the 21st to 36th bits are used as bits for the external code, as shown in Fig. 18, so a code value represented by 16 bits is determined. The code value determined herein is a code that has not been assigned yet to another ~~[[side]]~~ site at that time.

Please replace paragraph on page 66, line 24, to page 67, line 7, with the following amended paragraph:

In step S3025, the P-code use registration table shown in Fig. 72 is updated. More specifically, in the external code determined in steps S3022 and ~~S2023~~ S3023 and the URL (database identification information) of the site that has requested a P-code are registered in the P-code use registration table shown in Fig. 72 in

correspondence with each other. When an IP P-code is designated later from the P service terminal 100, the P service server 200 can know the site that is to be notified of the designated P-code to obtain information by looking up this P-code use registration table.

Please replace paragraph on page 67, lines 8-12, with the following amended paragraph:

P-code issue processing in the server (P service server or IP server) which has received an IP information registration request will be described ~~[[net]]~~ next. In the following processing example, a P-code is issued using a P-code use table in which the valid date of each P-code is registered.

Please replace paragraph on page 69, lines 1-7, with the following amended paragraph:

An unused P-code means a P-code whose “term of validity of code” has expired. To determine whether a P-code is unused, the table may be searched for a P-code that has expired at the time of issue. Alternatively, time information of year, month, and day may be always compared with the valid dates of code in the table, and an ~~unused~~ unused identifier may be stored in the table when the code has expired.

Please replace paragraph on page 81, lines 2-7, with the following amended paragraph:

In this embodiment, when the surfix number (##m) attached to the telephone number, i.e., the input P-code, is “0”, ~~frames~~ as many frames as possible corresponding to the surfix number are displayed ~~as many as possible~~, as shown in the area 2061. If the surfix has a number other than “0”, a frame corresponding to a surfix matching the number is displayed.

Please replace the paragraph on page 86, lines 10-11, with the following amended paragraph:

When one of the buttons 2127, 2128, ~~[[and]]~~ or 2129 is pressed, a window 2132 shown in Fig. 96 is displayed.

Please replace the paragraph on page 96, lines 10-20, with the following amended paragraph:

In step S2804, (7) the P service server 200 acquires a frame corresponding to the received P-code. In step S2805, (8) the P service server 200 transmits contents of the acquired frame, including property data (information provider and subject), to the P service terminal ~~[[100.]]~~ 100, and (9) ~~[[The]]~~ the P service terminal 100 displays the received contents of the frame including the property data on the touch panel 104 (Fig. 85). When registration of new information or a change in registered information is instructed, corresponding windows (Figs. 86 to 88) are appropriately displayed to receive inputs from the user.

Please replace the paragraph on page 96, line 21, to page 97, line 24, with the following amended paragraph:

In step S2806, (10) it is determined whether printing of the displayed frame is instructed. (11) If cancel of printing is instructed (NO in step S2806), the P service terminal 100 transmits a message representing that cancel is instructed to the P service server 200, and processing is ended. On the other hand, (11) when printing is instructed (YES in step S2806), the P service terminal 100 requests the P service server 200 to prepare print data of the frame corresponding to the P-code, and the flow advances to step S2807. The print data of the frame is generated from the registered P-code list registered in the personal information service P-code table shown in Fig. 12. Each P-code registered in the registered P-code has been subjected to group setting in this embodiment. For each P-code subjected to group setting, P-code information having a maximum subcode of the attached section is acquired from the IP information table shown in Fig. 7. All the acquired P-code information have link information to ~~another~~ another P-code. Hence, information to be printed can be acquired by searching for the P-code set as link information again. If the date of registration of the acquired information to be printed is before the final date of printing set in the personal information service P-code table shown in Fig. 12, it is regarded that this information has been printed in the past, and therefore the information is not printed. If all dates of registration of individual information acquired from the P-code list registered in the personal information service P-code table are before the final date of printing, a message (not shown) representing that no information to be printed is present is displayed, and processing is ended.

Please replace the paragraph on page 101, lines 6-9, with the following amended paragraph:

Details of processing in ~~[[steps]]~~ step S2502 in Fig. 98A, step S2604 in Fig. 99A, step S2704 in Fig. 100A, and step S2804 in Fig. 101A will be described with reference to Figs. 103A and 103B.

Please replace the paragraph on page 114, line 23, to page 115, line 4, with the following amended paragraph:

When a P-code request is input from the P service terminal 100 by communication, the flow advances from step S3163 to step S3165 to determine whether a P-code is stored in the P-code storage area 422c. If no P-code is stored, the flow advances to step S3167 to notify the P service terminal ~~[[10]]~~ 100 that no P-code is present. If a P-code is present in the P-code storage area 422c, the flow advances to step S3166 to transmit the stored P-code to the P service terminal 100.

Please replace the paragraph on page 116, lines 13-20, with the following amended paragraph:

The functions of the above-described embodiment are also realized when the program codes read out from the storage medium are written in the memory of a function expansion board inserted into the computer or a function expansion unit connected to the computer, and the CPU of the function expansion board or function expansion unit performs part or ~~all of the~~ the actual processing on the basis of the instructions of the program codes.